Name of the work;Modified estimate for improvement of Roads ,drains and other maintanance in Manjunatha nagara in ward no;14 Dasarahalli Sub division

Job Number: 014-19-000049								Est. Cost	99.80	Lakhs
Sl. No	Description of Work	Unit	No	Dimension			Quantity		Rate	Amount
				L	B1	D			in Rs.	in Rs.
1	Dismantling of Existing Structures like Culverts bridges retaining walls and other structure comprising of masonry cement concrete wood work steel work including T&P and scaffolding wherever necessary sorting the dismantled material disposal of unservisable material and stacking the serviceble material with all lifts complete as per specification									
	Culvert-1	Cum	1	7.40	1.50	0.20	2.22			
			2	7.40	0.60	0.80	7.10			
	Culvert-2		1	6.40	1.50	0.20	1.92			
			2	6.40	0.60	0.80	6.14			
	Culvert-3		1	7.40	1.50	0.20	2.22			
			2	7.40	0.60	0.80	7.10			
	Culvert-4		1	7.00	1.50	0.20	2.10			
			2	7.00	0.60	0.80	6.72			
	Culvert-5		1	3.70	1.50	0.20	1.11			
			2	3.70	0.60	0.80	3.55			
	Culvert-6		1	7.00	1.50	0.20	2.10			
			2	7.00	0.60	0.80	6.72			
	Culvert -7		1	7.50	1.50	0.20	2.25			
			2	7.50	0.60	0.80	7.20			
	Culvert -8		1	7.00	1.50	0.20	2.10			
			2	7.00	0.60	0.80	6.72			
	Culvert -9		1	7.10	1.50	0.20	2.13			
			2	7.10	0.60	0.80	6.82			
	Culvert 10		1	6.00	1.50	0.20	1.80			
			2	6.00	0.60	0.80	5.76			
	CC Road		2	84.30	1.20	0.15	30.35			
	10 th B Cross Road		1	36.40	2.20	0.15	12.01			
							Total Qty :	126.15		
							Shedule B Qty :	64.80		
							Qty executed up to 125%	81.00	390.00	31590.00
							Qty executed Above 125%	45.15	390.00	17608.50
2	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.									
	KPWD S.R 2018-19	It No.	5.29.1.			Pg.No.	27			
	DESILTING OF DRAIN		2	1550.00	0.60	0.45	837.00			
	NEW DRAIN		2	376.00	1.20	1.00	902.40			

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	Culvert-1	Cum	1	7.40	1.50	0.75	8.33		
	Culvert-2		1	6.40	1.50	0.75	7.20		
	Culvert-3		1	7.40	1.50	0.75	8.33		
	Culvert-4		1	7.30	1.50	0.75	8.21		
	Culvert-5		1	3.70	1.50	0.75	4.16		
	Culvert -6		1	7.40	1.50	0.75	8.33		
	Culvert -7		1	7.50	1.50	0.75	8.44		
	Culvert -8		1	7.00	1.50	0.75	7.88		
	Culvert -9		1	7.10	1.50	0.75	7.99		
	Culvert 10		1	6.00	1.50	0.75	6.75		
						Total Qty :	**1815.00**		
						Shedule B Qty :	**1829.90**		
						Qty executed up to 125%	**1815.00**	**145.00**	**263175.00**
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.								
	KPWD S.R 2018-19	It. No.	4.2.		Pg.No.	13			
	NEW DRAIN	cum	2	376.00	1.20	0.15	135.36		
	Culvert-1		1	6.60	1.50	0.15	1.49		
	Culvert-2		1	7.00	1.50	0.15	1.58		
	Culvert-3		1	6.50	1.50	0.15	1.46		
	Culvert-4		1	7.00	1.50	0.15	1.58		
	Culvert-5		1	8.50	1.50	0.15	1.91		
	Culvert -6		1	7.00	1.50	0.15	1.58		
	Culvert -7		1	7.50	1.50	0.15	1.69		
	Culvert -8		1	7.00	1.50	0.15	1.58		
	Culvert -9		1	7.10	1.50	0.15	1.60		
	Culvert 10		1	6.00	1.50	0.15	1.35		
						Total Qty :	**151.16**		
						Shedule B Qty :	**105.75**		
						Qty executed up to 125%	**132.19**	**5997.00**	**792728.44**
						Qty executed Above 125%	**18.97**	**5997.00**	**113748.10**
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH spec No. 1500,700,2200. including cost of materials, labour, HOM complete as per spec.								
	KPWD S.R 2018-19	It. No.	4.49.3		Pg.No.	19			
	New drain		2	376.00	0.90	0.15	101.52		
			4	376.00	0.15	0.60	135.36		
	Culvert-1 Raft		1	7.20	1.50	0.20	2.16		

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	Wall		1	7.20	0.30	0.75	1.62		
			1	7.20	0.30	0.75	1.62		
	Culvert-2 Raft	It. No.	1	6.40	1.50	0.20	1.92		
	Wall		1	6.40	0.30	0.75	1.44		
			1	5.50	0.30	0.75	1.24		
	Culvert-3 Raft		1	7.40	1.50	0.20	2.22		
	Wall		1	7.40	0.30	0.75	1.67		
			1	7.40	0.30	0.75	1.67		
	Culvert-4 Raft		1	7.30	1.50	0.20	2.19		
	Wall		1	7.30	0.30	0.85	1.86		
			1	6.30	0.30	0.85	1.61		
	Culvert-5 Raft		1	3.70	1.50	0.20	1.11		
	Wall		1	3.70	0.30	0.60	0.67		
			1	3.30	0.30	0.60	0.59		
	Vulvert -6 Raft		1	7.00	1.50	0.20	2.10		
	Wall		1	7.00	0.30	0.60	1.26		
			1	5.80	0.30	0.60	1.04		
	Culvert -7 Raft		1	7.50	1.50	0.20	2.25		
	Wall		1	7.20	0.30	0.60	1.30		
			1	7.50	0.30	0.60	1.35		
	Culvert -8 Raft		1	7.00	1.50	0.20	2.10		
	Wall		1	7.00	0.30	0.60	1.26		
			1	6.10	0.30	0.60	1.10		
	Culvert -9 Raft		1	7.10	1.50	0.20	2.13		
	Wall		1	7.10	0.30	0.60	1.28		
			1	6.40	0.30	0.60	1.15		
	Culvert-10 Raft		1	6.00	1.50	0.20	1.80		
	Wall		2	6.00	0.30	0.60	2.16		
						Total Qty :	**282.73**		
						Shedule B Qty :	**231.00**		
						Qty executed up to 125%	**282.73**	**7544.00**	**2132941.52**
5	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200								
	KPWD Issue S.R 2020-21	It. No	28.8.2		Pg.No	229			

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	Qtty of drain	Tonnes		236.88	65	15397.20	kgs		
	Qtty of Culvert			45.85	90	4126.50	kgs		
						19523.70	19.52		
						Total Qty :	**19.52**		
						Shedule B Qty :	**16.19**		
						Qty executed up to 125%	**19.52**	**75899.00**	**1481548.48**
6	Providing and fixing Precast RCC slab of 100mm thick for drain in cement concrete 1;1.5;3, using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints in cement mortar 1;3 including form work etc complete								
	For New drain	Sqm	2	376.00	0.90		676.80		
	For damaged Slabs						721.00		
						Total Qty :	**1397.80**		
						Shedule B Qty :	**1161.00**		
						Qty executed up to 125%	**1397.80**	**1695.00**	**2369271.00**
7	Removing Resetting of foot path slab and with all lead and lift charges and complete the work as per specifications								
		Sqm	2	1550.00	0.90		2790.00		
						Total Qty :	**2790.00**		
						Shedule B Qty :	**2790.00**		
						Qty executed up to 125%	**2790.00**	**219.00**	**611010.00**
8	Providing Ruled Pointing to stone slabs pavements with cement mortar 1;3 20mm deep after racking the joints including cost of materials labour curing complete as per specification								
			2	1550.00	0.90		2790.00		
						Total Qty :	**2790.00**		
						Shedule B Qty :	**5580.00**		
						Qty executed up to 125%	**2790.00**	**51.00**	**142290.00**
9	Providing and laying Pre Cast Drain Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work								
	Approved Data Rate								
	Culvert 1	Sqm	1	6.60	1.20		7.92		
	Culvert 2		1	5.35	1.20		6.42		
	Culvert 3		1	7.10	1.20		8.52		
	Culvert 4		1	6.75	1.20		8.10		
	Culvert 5		1	6.15	1.20		7.38		
	Culvert 6		1	4.00	1.20		4.80		
	Culvert 7		1	5.50	1.20		6.60		
	Culvert 8		1	7.00	1.20		8.40		
	Culvert 9		1	6.70	1.20		8.04		
	Culvert 10		1	6.40	1.20		7.68		
						Total Qty :	**73.86**		
						Shedule B Qty :	**252.00**		

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				Qty executed up to 125%			73.86	4835.00	357113.10
10	KSRRB M600 -1 Construction of dry lean cement concrete mix CC 1;5;10 with opc cement @160 kgs with 25mm and down size graded granite metal coarse aggregates at 0.86 cum and fine aggregates at 0.58 cum sub base over a prepared sub grade with coarse and fine aggregates conforming to IS 383 aggregates cement ratio not exceeding 15;1 aggregates gradation after blending to be as per table -600-1 cement content not to be less than 160kg/cum optimum moisture content to be determined during trail length construction concrete strength not to be less than 10 Mpa at 7 including cost of material labour curing etc complete as per specification								
		Cum	2	84.30	1.20	0.15	30.35		
			1	36.50	2.15	0.15	11.77		
						Total Qty :	**42.12**		
						Shedule B Qty :	**83.19**		
				Qty executed up to 125%			**42.12**	**4143.00**	**174500.05**
11	Construction of un reinforced cement concrete pavement thickness as per design over a prepared sub base with opc cement at any other type as per clause 1051.2.2 design mix M 20/30 with 25mm and down size graded granite metal course aggregates and fine aggregates with super plastisiser @3 ltrs conforming to IS 9103-1999 Reaffirmed -2008 mixed in concrete mixer of not less than 0.60 cum capacity and appropriate weigh batcher as per approved mix design laid in a approved fixed side form work spreading the concrete with shovels rackers compacted using needle screed and plate vibrators and finished in a continous operation including provision of contraction expansion joints including groove cutting charges joint filler seperation member joint sealant admixtures as approved curing finishing to all line and grade etc complete as per specifications								
	For CC Road								
	Manjunatha nagara Main Road From Hard ware shop to Condiments	Cum							
	Ch 0.00-30.00		1	30.00	5.60	0.15	25.20		
	Ch 30.00-60.00		1	30.00	5.60	0.15	25.20		
	Ch 60.00-84.30		1	24.30	5.60	0.15	20.41		
	10 th B Cross Road								
	Ch 0.00-30.00		1	30.00	2.10	0.15	9.45		
	Ch 30.00-36.50		1	6.50	2.45	0.15	2.39		
						Total Qty :	**82.65**		
						Shedule B Qty :	**83.19**		
				Qty executed up to 125%			**82.65**	**5618.00**	**464331.91**

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12	Cost of haulage excluding loading and unloading MORTH -100/ Chapter 1 Surface road ITEM No 17.4 KSRRB M 100-1 Loading and un loading of stone boulders /stone aggregates /sand/kankar/murram, KSRRB M 100-1 Placing Tipper at loading point loading with front end loader dumping turning for return trip excluding time for haulage and return Trip complete as per specification								
	Quantity as vide Item no 1+2	cum							
				Total Qty :			**1969.39**		
				Shedule B Qty :			**1894.70**		
				Qty executed up to 125%			**1941.15**	**165.00**	**320289.75**
									9272145.86
								Total Constrution cost	**92,72,145.86**

Sanctioned Tender Amount RS	92,75,167.23
Modified Estimate Cost Rs	92,72,145.86
Savings Rs	3,021.37

Assistant Engineer
Ward 14
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Technically Sanctione for Rs. 92.72 Lakhs/-
Rs. In words Rs. Ninty Two Lakhs Seventy two thousand one Forty Sixrupay
Under ..... P-1878 .....
Job Code No. 014-21-000011
Registered as CE No. 01/2022-23 Subject to conditions contained in Enclosed Memo No CE/D4/TS/01/2022-23 Dt. 28/04/2022
AE/JE TA CE(D)

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